

**\*\*Speakers and Presentation Titles TBD – Check back often for the latest updates to the agenda. \*\***

**Last Updated: 3/20/15**

## **2015 Space Weather Workshop Agenda**

**Millennium Hotel Ballroom**

### **Monday, April 13<sup>th</sup>**

**9:00 - 4:30 GOES-VW (NEXT) Requirements Session**

**5:00 - 7:00 Welcome Networking Session (NCAR Mesa Lab)**

### **Tuesday, April 14**

**8:30 Conference Welcome**  
Brent Gordon, NOAA/SWPC

**8:35 State of the Space Weather Prediction Center**  
Tom Berger, NOAA/SWPC

**8:50 SWPC/SEC Solar History**  
Ernie Hilder, Former Director, SEC

**9:10 Solar Maximum...We Hardly Knew Ye**  
Doug Biesecker, NOAA/SWPC

**9:25 - 9:45 Break**

**9:45 - 11:15 Introduction to SWORM (Space Weather Operations, Research, and Mitigation Task Force)**  
Chair: William Murtagh, OSTP

**9:45 Task Force Overview**  
Tammy Dickinson, OSTP

**10:00 - 11:15 PANEL: SWORM Goal Team Leads**  
Chair: William Murtagh, OSTP

**11:15 - 12:15 DSCOVr**  
Chair: Alysha Reinard, CIRES

**11:15 DSCOVr – Halfway to L1**  
Doug Biesecker, NOAA/SWPC

**11:35 Instrumentation - Capabilities and Calibration Test Plans**  
Adam Szabo, NASA/GSFC

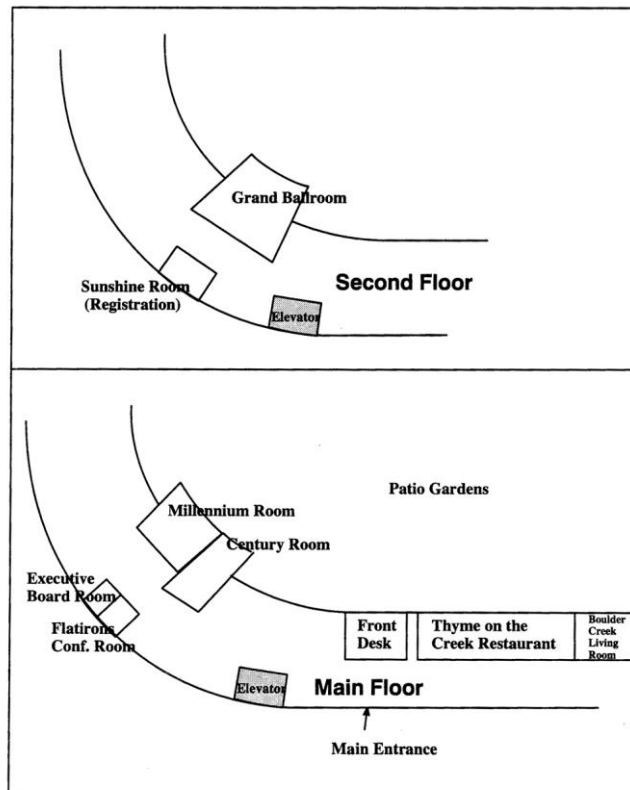
**11:55 Space Weather Follow On**  
Pat Mulligan, NOAA/NESDIS

**12:15 - 3:00 Lunch**

**1:00 - 3:00 Poster Session - Solar and Interplanetary**

- 3:00 - 4:40    Space and Ground Based Observations and Advances**  
Chair: Howard Singer, NOAA/SWPC
- 3:00        GOES-VW**  
Rodney Viereck, NOAA/SWPC
- 3:20        GONG (Global Oscillation Network Group)**  
Frank Hill, NSO
- 3:40        ICON (Ionospheric Connection Explorer)**  
Elsayed Talaat, NASA
- 4:00        GOLD (Global-Scale Observations of the Limb and Disk)**  
Richard Eastes, University of Central Florida
- 4:20        FORMOSAT-7/COSMIC 2 (Constellation Observing System for Meteorology, Ionosphere, and Climate)**  
I-Te Lee, Central Weather Bureau
- 4:40        Space Weather Ballooning**  
Tony Phillips, SpaceWeather.com
- 5:00        End of Session**
- 5:30 - 7:30    9<sup>th</sup> Annual SWPC - Commercial Space Weather Interest Group (CSWIG) / American Commercial Space Weather Association (ACSWA) Summit Meeting - by invitation**

**Meeting Rooms  
at the Millennium Hotel**



## **Wednesday, April 15**

**8:30 - 8:40    Space Weather Morning Forecast Brief**  
SWPC Space Weather Forecasting Office

**8:40 - 10:10    Commercial Space Weather Interest Group (CSWIG)**  
**American Commercial Space Weather Association (ACSWA)**  
**Roundtable Session: Growing the Space Weather Enterprise**  
Keynote Speaker: To Be Announced  
Featured Speakers: To Be Announced  
Panel  
  
Moderator and Organizer:  
Dr. Devrie Intriligator, Director, Space Plasma Laboratory, Carmel Research Center, Inc.

**10:10 - 10:30    Break**

**10:30 - 12:00    Agency Activities**  
Chair: Tom Berger, NOAA/SWPC

**10:30            NASA Heliophysics Division**  
Jeffrey Newmark, NASA

**10:45            Space Weather Research at the National Science Foundation**  
Vladimir Papitashvili, NSF

**11:00            United States Air Force Weather**  
Ralph Stoffer, AFW

**11:15            National Weather Service**  
Bill Lapenta, NOAA/NWS

**11:30            NESDIS**  
Greg Mandt, NOAA/NESDIS

**11:45            Question and Answer Session**

**12:00 - 3:00    Lunch**

**1:00 - 3:00    Poster Session - Ionosphere**

**3:00 - 3:20    Superflares on Solar type Stars and Their Implications on the Possibility of Superflares on the Sun**  
Kazunari Shibata, Kyoto University

**3:20 - 4:40    Space Weather Impacts: Emerging Issues in Aviation**  
Chair: Robert Rutledge, NOAA/SWPC

**3:20            NIOSH Aviation Radiation Findings**  
Barbara Grajewski, USPHS

- 3:40 Rockwell Collins GLOBALink Voice Services / Impact of Solar Event on HF Comms**  
Hugh Pat Guido and Anthony Abate, ARINC
- 4:00 Avidos – Aviation Dosimetry**  
Peter Beck, Seibersdorf Laboratories
- 4:20 Establishment of requirements for space weather information service by the International Civil Aviation Organization (ICAO)**  
Raul Romero, ICAO
- 4:40 - 5:00 Introduction to ‘Space Weather Impacts: Power Grid’**  
Chair: Chris Balch, NOAA/SWPC
- 4:40 Insurance Claims for Industrial Electrical Equipment**  
Karel Schrijver, Lockheed Martin
- 5:00 End of Session**
- 6:00 - 8:30 Banquet Dinner at UCAR Center Green Auditorium**

Special Guest Speaker:  
Dr. Sandy MacDonald  
Director, NOAA’s Earth System Research Laboratory

“Science on a Sphere”

3080 Center Green Drive  
Boulder, CO 80301



**Available Shuttle Bus to the Banquet:**

There will be a CU Shuttle Bus departing the Millennium Hotel for anyone who wishes to ride to the UCAR Center Green Auditorium. The bus will depart the hotel at 5:45, 6:00, and 6:15. It will also make three return trips back to the hotel after the event.

**Parking:**

Free parking is available at the UCAR Center Green Campus for those who wish to drive personal vehicles.

UCAR Center Green Campus  
Building 1  
3080 Center Green Drive  
Boulder, CO 80301

## **Thursday, April 16**

- 8:30 - 8:40**     **Space Weather Morning Forecast Brief**  
SWPC Space Weather Forecasting Office
- 8:40**            **Extreme Storm Probability and Establishing Benchmarks**  
Seth Jonas, ISTP
- 9:00 - 10:40**   **Space Weather Impacts: Power Grid (continued)**  
Chair: Chris Balch, NOAA/SWPC
- 9:00**            **Solar Shield: Update and Path Forward**  
Antti Pulkkinen, NASA/GSFC
- 9:20**            **NERC Reliability Standards for Geomagnetic Disturbances**  
Frank Koza, PJM
- 9:40**            **System Impact Modeling**  
Tom Overbye, University of Illinois
- 10:00**          **SUNBURST Network**  
Rich Lordan, EPRI
- 10:20**          **Title TBD**  
Trevor Gaunt, University of South Africa
- 10:40 - 11:00**   **Break**
- 11:00 - 12:00**   **R2O and Modeling**  
Chair: Michele Cash, CIRES
- 11:00**          **SWPC Testbed Report**  
Rodney Viereck, NOAA/SWPC
- 11:20**          **Developmental Testbed Center**  
Louisa Nance, DTC NCAR
- 11:40**          **Magnetospheric Modeling Advances**  
Grant Stephens, JHAPL
- 12:00 - 3:00**    **Lunch**
- 1:00 - 3:00**      **Poster Session - Magnetosphere**
- 3:00 - 3:20**      **Space Weather Journal Overview and Prospectus**  
Dolores Knipp, Space Weather Journal
- 3:20 - 5:00**      **International Coordination of Space Weather Activities**  
Chair: Howard Singer, NOAA/SWPC
- 3:20**            **Worldwide Scintillation Prediction**  
Yahya Memarzedeh, Fugro

- 3:40 International Committee on Global Navigation Satellite Systems: Promoting the Use of GNSS Technologies**  
Shafa Gadimova, Office for Outers Space Affairs (UN)
- 4:00 State of GNSS in Africa: Applications, Observational Infrastructures, Research Implications and Prospects**  
Babatunde Rabi, Nigerian National Space Research and Development Agency
- 4:20 ESA Update**  
Juha-Pekka Luntama, ESA
- 4:40 UK Met Office Update**  
Mark Gibbs, UK Met Office
- 5:00 End of Session**

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## **Friday, April 17**

- 8:30 - 8:40    Space Weather Morning Forecast Brief**  
SWPC Space Weather Forecasting Office
- 8:40 - 10:00    Space Weather Modeling**  
Chair: Howard Singer, NOAA/SWPC
- 8:40            CCMC (Community Coordinated Modeling Center)**  
Masha Kuznetsova, NASA/CCMC
- 9:00            SWMF/Geospace Update**  
George Millward, CIRES/SWPC
- 9:20            WAM/IDEA (Whole Atmosphere Model/Integrated Dynamics through Earth's Atmosphere)**  
Tim Fuller-Rowell, NOAA/SWPC
- 9:40            WSA/ADAPT (Air Force Data Assimilative Photospheric Flux Transport)**  
Nick Arge, AFRL
- 10:00 - 10:20    Break**
- 10:20 - 11:40    Space Weather: The Future**  
Chair: Rodney Viereck, NOAA/SWPC
- 10:20            Carrington L5 Mission**  
Markos Trichas, Airbus Defense and Space
- 10:40            Citizen Science: Aurorasaurus**  
Elizabeth McDonald, NASA
- 11:00            USGS Induction Hazard Science**  
Jeff Love, USGS
- 11:20            WMO Four Year Plan**  
Terry Onsager, NOAA/SWPC
- 11:40            Closing Remarks**  
Tom Berger, NOAA/SWPC
- 12:00            End of Conference**